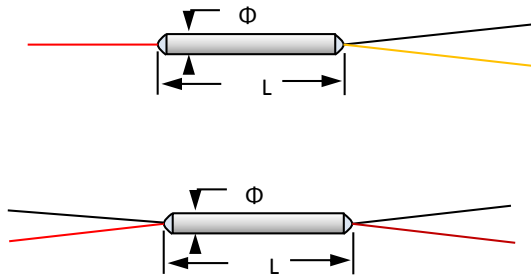


1×2, 2×2 SM Fiber Optic Coupler 1625nm 1650nm

The 1625, 1650nm 1×2, 2×2 Single Mode Fused Fiber Optic Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios with low insertion loss.



Features

- Low Excess Loss
- Broadband
- High Reliability & Stability
- Various Coupling Ratio

Applications

- CATV
- Long-haul Telecom
- Local Area Network
- Fiber Sensor
- Lab & Research

Performance Specification

Parameter	Value	Unit	
Configuration	1X2, 2X2		
Center Wavelength	1625, 1650 or customized	nm	
Bandwidth	±10	nm	
Max. Excess Loss	0.1	dB	
Max. Insertion Loss	50/50	3.8/3.8 dB	
	40/60	5.1/3.1 dB	
	30/70	6.4/2.3 dB	
	20/80	8.3/1.6 dB	
	10/90	11.5/1.05 dB	
	5/95	14.5/0.8 dB	
	3/97	16.9/0.75 dB	
	2/98	18.8/0.7 dB	
	1/99	22.5/0.65 dB	
Max. PDL	0.15	dB	
Min. Directivity	55	dB	
Min. Return Loss	50	dB	
Max. Thermal Stabligy	0.002	dB/℃	
Max. Tensile Load	5	N	
Fiber Type	SMF-28e		
Operating Temperature	-40 to +80	℃	
Storage Temperature	-50 to +85	℃	
Package Dimension	Φ3.0×L40 for bare fiber, and Φ3.0×L54 for 900um loose tube		mm

Note

* Above specifications are for device without connectors.

Ordering Information

SMSC-AAAA-BB-CC-DD-E-FF-GG

AAAA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
1625 - 1625nm	12 - 1X2	01 - 01/99	SM - SMF-28e Fiber	B - 250um Bare	05 - 0.5m	NE - None
1650 - 1650nm	22 - 2X2	02 - 02/98	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
SSSS - Specify	SS - Specify	04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC
		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC
		10 - 10/90		C - 3.0mm Cable	SS - Specify	SP - SC/PC
		20 - 20/80				LA - LC/APC
		30 - 30/70				LP - LC/PC
		50 - 50/50				SS - Specify
		SS - Specify				